

Please type a plus sign (+) inside this box →



PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>		Attorney Docket No. <b>500.38984RC1</b>	
		First Inventor <b>AOYAMA, HIROSHI</b>	
		Title <b>ROTATING ELECTRIC MACHINE</b>	
(Only for new nonprovisional applications under 37 CFR 1.53(b))		Express Mail Label No.	
<b>APPLICATION ELEMENTS</b>		<b>ADDRESS TO:</b>	
<i>SEE MPEP chapter 600 concerning utility patent application contents.</i>		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
<div style="display: flex; justify-content: space-between;"><div style="width: 48%;"><p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small></p><p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p><p>3. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages: <b>11</b>]</span> <small>(preferred arrangement set forth below)</small></p><ul style="list-style-type: none"><li>-Descriptive title of the invention</li><li>-Cross Reference to Related Applications</li><li>-Statement Regarding Fed sponsored R &amp; D</li><li>-Reference to sequence listing, a table, or a computer program listing appendix</li><li>-Background of the Invention</li><li>-Brief Summary of the Invention</li><li>-Brief Description of the Drawings (if filed)</li><li>-Detailed Description</li><li>-Claim(s)</li><li>-Abstract of the Disclosure</li></ul><p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">[Total Pages: <b>11</b>]</span></p><p>5. Oath or Declaration <span style="float: right;">[Total Pages: <b>4</b>]</span></p><p style="margin-left: 20px;">a. <input type="checkbox"/> Newly executed (original or copy)</p><p style="margin-left: 20px;">b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for continuation/divisional with Box 18 completed)</small></p><p style="margin-left: 40px;">i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) Named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)</p><p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p></div><div style="width: 48%;"><p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p><p>8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i></p><p style="margin-left: 20px;">a. <input type="checkbox"/> Computer Readable Form (CRF)</p><p style="margin-left: 20px;">b. Specification Sequence Listing on:</p><p style="margin-left: 40px;">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</p><p style="margin-left: 40px;">ii. <input type="checkbox"/> paper</p><p style="margin-left: 20px;">c. <input type="checkbox"/> Statements verifying identity of above copies</p></div></div>			
<b>ACCOMPANYING APPLICATION PARTS</b>			
<p>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; documents(s))</p> <p>10. <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small></p> <p>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small></p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input checked="" type="checkbox"/> Other: <b>Statement of Status, Offer to Surrender, Consent of Assignee &amp; Reaffirmation of Claim for Priority.</b></p>			
<p>18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Continuation    <input type="checkbox"/> Divisional    <input type="checkbox"/> Continuation-in-part (CIP)    of prior application No.: <b>10/245,396, which is a reissue of U.S. Patent No. 6,316,859.</b></p> <p>Prior application information: Examiner: _____ Group Art Unit: <b>2834</b></p> <p><b>For CONTINUATION OR DIVISIONAL APPS only:</b> The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>			
<b>19. CORRESPONDENCE ADDRESS</b>			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		020457 <small>(Insert Customer No. or Attach bar code label here)</small>	
		or <input type="checkbox"/> Correspondence address below	
Name		<b>ANTONELLI, TERRY, STOUT &amp; KRAUS, LLP</b>	
Address			
City		State	
Country		Telephone	<b>(703) 312-6600</b>
		Zip Code	<b>(703) 312-6666</b>
Name	<b>Melvin Kraus</b>	Registration No. (Attorney/Agent)	<b>22,466</b>
Signature		Date	<b>June 25, 2003</b>

17354 U.S. PTO  
10/602657



06/25/03

06/25/03

18334 U.S. PTO

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL  
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$)**750.00****Complete if Known**

Application Number	
Filing Date	June 25, 2003
First Named Inventor	AOYAMA, HIROSHI
Examiner Name	

Art Unit

Attorney Docket No. **500.38984RC1****METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number **01-2135**Deposit Account Name **Antonelli, Terry, Stout & Kraus, LLP**

The Commissioner authorized to: (check all that apply)

☐ Charge fees indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fees indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code (\$)	Entity Fee Code (\$)	Small Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375		Utility filing fee	
1002 330	2002 165		Design filing fee	
1003 520	2003 260		Plant filing fee	
1004 750	2004 375		Reissue filing fee	
1005 160	2005 80		Provisional filing fee	
<b>SUBTOTAL (1)</b>				<b>750.00</b>

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

	Extra Claims	Fee from below	Fee Paid
Total Claims 2	-20** = 0	x 18	= 0
Indep. Claims 2	-3** = 0	x 84	= 0
Multiple Dependent			= 0

Large Fee Code (\$)	Entity Fee Code (\$)	Small Fee Code (\$)	Fee Description
1202 18	2202 9		Claims in excess of 20
1201 84	2201 42		Independent claims in excess of 3
1203 280	2203 140		Multiple dependent claim, if not paid
1204 84	2204 42		** Reissue independent claims over original patent
1205 18	2205 9		** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) \$ 0**

\*\*or number previously paid, if greater; For Reissues, see above.

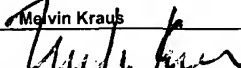
**3. ADDITIONAL FEES**

Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051 130	2051 65			Surcharge - late filing fee or oath	
1052 50	2052 25			Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130			Non-English specification	
1812 2,520	1812 2,520			For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*			Requesting publication of SIR prior to Examination action	
1805 1,840*	1805 1,840*			Requesting publication of SIR after Examiner action	
1251 110	2251 55			Extension for reply within first month	
1252 410	2252 205			Extension for reply within second month	
1253 930	2253 465			Extension for reply within third month	
1254 1,450	2254 725			Extension for reply within fourth month	
1255 1,970	2255 985			Extension for reply within fifth month	
1401 320	2401 160			Notice of Appeal	
1402 320	2402 160			Filing a brief in support of an appeal	
1403 280	2403 140			Request for oral hearing	
1451 1,510	1451 1,510			Petition to institute a public use proceeding	
1452 110	2452 55			Petition to revive - unavoidable	
1453 1,300	2453 650			Petition to revive - unintentional	
1501 1,300	2501 650			Utility issue fee (or reissue)	
1502 470	2502 235			Design issue fee	
1503 630	2503 315			Plant issue fee	
1406 130	1460 130			Petitions to the Commissioner	
1807 50	1807 50			Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180			Submission of Information Disclosure Stmt	
8021 40	8021 40			Recording each patent assignment per property (times number of properties)	
1809 750	2809 375			Filing a submission after final rejection (37 CFR § 1.129(a))	
1810 750	2810 375			For each additional invention to be examined (37 CFR § 1.129(b))	
1801 750	2801 375			Request for Continued Examination (RCE)	
1802 900	1802 900			Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

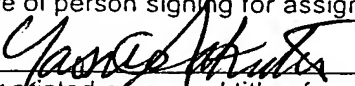
**SUBTOTAL (3) (\$)**0******SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)	<b>Melvin Kraus</b>	Registration No. (Attorney/Agent)	<b>22,466</b>	Telephone	<b>(703) 312-6600</b>
Signature		Date	<b>06/25/2003</b>		

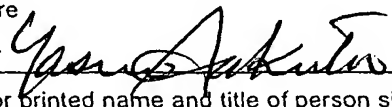
**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

<b>REISSUE APPLICATION BY THE ASSIGNEE, OFFER TO SURRENDER PATENT</b>		Docket Number (Optional)  500.38984R00
<p>This is part of the application for a reissue patent based on the original patent identified below.</p>		
Name of Patentee(s): H.AOYAMA, et al		
Patent Number 6,316,859 B1	Date Patent Issued November 13, 2001	
Title of Invention ROTATING ELECTRIC MACHINE		
<p><u>HITACHI, LTD.</u> is the assignee of the entire interest in the original patent.</p> <p>I offer to surrender the original patent.</p> <p><input checked="" type="checkbox"/> A certificate under 37 CFR 3.73(b) is attached.</p> <p>I am authorized to act on behalf of the assignee.</p>		
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.</p>		
Name of assignee HITACHI, LTD.		
Signature of person signing for assignee 	Date August 5, 2002	
Typed or printed name and title of person signing for assignee Yasuo SAKUTA, Patent Attorney, Executive Managing Director, Intellectual Property Group (Authorized Signing Officer)		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		Docket Number (Optional) 500.38984R00
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) H. AOYAMA, et al		
Patent Number 6,316,859 B1	Date Patent Issued November 13, 2001	
Title of Invention ROTATING ELECTRIC MACHINE		
<p>1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
The assignee(s) owning an undivided interest in said original patent is/are <u>HITACHI, LTD.</u> and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned) HITACHI, LTD.		
Signature 	Date August 5, 2002	
Typed or printed name and title of person signing for assignee (if assigned) Mr. Yasuo Sakuta, Patent Attorney Executive Managing Director, Intellectual Property Group (Authorized Signing Officer)		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: HITACHI, LTD.

Application No./Patent No.: 6,316,859 B1 Filed/Issue Date: November 13, 2001

Entitled: ROTATING ELECTRIC MACHINE

HITACHI, LTD.

(Name of Assignee)

, a Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 011257 Frame 0652, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

August 5, 2002

Date

  
Signature

Mr. Yasuo Sakuta

Typed or printed name

Patent Attorney, Executive Managing Director,  
Intellectual Property Group (Authorized Signing Officer)

Title

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): H. AOYAMA, et al  
Serial No.: (not yet assigned)  
Filed: September 18, 2002  
For: ROTATING ELECTRIC MACHINE  
Reissue of  
U.S. Patent No.: 6,316,859  
Issued: November 13, 2001

**STATEMENT OF STATUS/SUPPORT**  
**IN ACCORDANCE WITH 37 CFR 1.173(c)**

Commissioner for Patents  
Washington, D.C. 20231

September 18, 2002

Sir:

In accordance with the requirements of 37 CFR §1.73(c), applicants note that by the present reissue application, original claims 1-10 are retained and new claims 11-15 are presented.

Newly presented claims 11-15 are directed to a rotating machine and are supported by the disclosure of U.S. Patent No. 6,316,859 B1.

Turning to independent claim 11, such claim is substantially identical to the features found in independent claim 6 of the patent at lines 1-11 thereof, for example, and recites the feature of a sheet is formed on a surface of said creepage block containing at least a surface of a portion which abuts against said magnetic winding which is represented by the sheet 21, as described in example 6 at col. 9, lines 15-37 of the patent, which refers to Figs. 15 and 16 of the drawings, which features are incorporated into the completed structure of the rotating machine as illustrated in Fig. 1.

As to dependent claims 12 and 13, claim 12 recites the feature that the sheet is formed on the surface of the creepage block containing a surface of the gas vent groove as illustrated in Figs. 15 and 16 of the drawings, for example, noting that the gas vent groove is indicated by reference numeral 12. Claim 13 recites the feature that a part of the reinforcing fibers are divided by the gas vent groove, noting that the reinforcing fibers are formed of the sheets 14, which are stacked in layers and laminated to form a creepage block 11 as illustrated in Figs. 12-14, wherein as illustrated in Fig. 14, and described in example 5 at col. 8, line 45 to col. 9, line 12, a gas vent groove is cut by means of a cutter 20 so that a part of the laminated reinforcing-fiber layers is cut near the gas vent groove.

With respect to independent claim 14, this claim, in addition to the features previously referred to as found in claim 1, for example, recites the feature that the creepage block contains a gas vent groove having a gas vent hole, and that the gas vent groove is formed with an inclination toward the gas vent hole. As described in connection with example 8 at col. 9, line 65 to col. 10, line 26 of the patent, and as illustrated in Figs. 18 and 19, the gas vent groove is represented by reference numeral 12 and the gas vent hole by reference numeral 13 and as shown, the gas vent groove 12 has an inclined portion which inclines toward the gas vent hole as illustrated in both Figs. 18 and 19 of the patent.

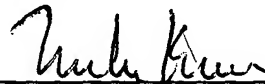
With respect to the features of new independent claim 15, in addition to the features as recited in claim 1 of the patent, for example, this claim recites the feature that a first depth at a first portion in the gas vent groove is deeper than that of a second depth at a second portion which is located nearer to the opening than the first portion in the gas vent groove and hereagain, as illustrated in Figs. 18 and 19 of the patent, the gas vent groove has different depths with the depth in the region of the gas vent hole 13 being greater than the depth at other portions.

Applicants submit that it is apparent that the features as recited in newly presented claims 11-15 of this reissue application have clear support in the

specification and drawings of the original application, which issued as U.S. Patent No. 6,316,859 B1.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (500.38984R00) and please credit any excess fees to such deposit account.

Respectfully submitted,



Melvin Kraus  
Registration No. 22,466  
ANTONELLI, TERRY, STOUT & KRAUS, LLP

MK/cee  
(703) 312-6600

\*